

Sony AV-5000A

From the SONY AV-5000A Operating Instructions and "Ready Reference"

INTRODUCTION

SONY VIDEOCORDER MODEL AV-5000A is a compact, portable video tape recorder that permits color/monochrome television tape recording or live-action picture and sound recording suited for education, training, home entertainment, or a wide variety of other applications.

The AV-5000A uses 1/2-inch video tape and conforms to standard EIA TV and NTSC color TV signal requirements. Tapes are interchangeable between any other SONY AV-Series Videocorder. In addition, sound can be added to prerecorded pictures during playback operation. The playback picture is continuously variable from still frame to less than one-third of normal speed. The skew control adjusts tape tension and the tracking control maintains accurate rotary head tracking when the playback picture is distorted.



SONY AV-5000A with drum cover removed

TECHNICAL SPECIFICATIONS

General

Power requirements: AC 117V plus/minus 5V, 60 Hz plus/minus 0.5%

Power consumption : approx. 95 W

Type : EIA Japan type-1 video tape recorder

Color recording system : SONY MCR (Multiple Carrier Recording)system

Video recording system : rotary two head helical scan system, FM recording

Video recording signal: EIA Standard, or 60 Hz field frequency random interlaced, composite video signal NTSC color signal

Video Signals

Input: composite video (sync negative)

0.5-2.0V (p-p), 75 ohms, unbalanced

Output: composite video (sync negative)

1.0V (p-p), 75 ohms, unbalanced

Horizontal resolution : COLOR mode more than 220

MONO mode more than 300

Signal-to-noise ratio : better than 40 dB

Audio Signals

Input: MIC more than -65 dB, 600 ohms, unbalanced

AUX OdB, 100k ohms, unbalanced

TV -20 dB, 100k ohms, unbalanced

Output: OdB, 10k ohms, unbalanced

Frequency response : 80-10,000 Hz

Signal-to-noise ratio: better than 40 dB

Distortion : less than 5% (1 kHz, at rated input level)

Tape Transport

Tape speed : 7 1/2 ips (inch per second) plus/minus 0.2%

Wow and flutter: less than 0.2% Wrms

Playing time : 60 minutes with SONY Tape V-32

Dimensions and Weight

Dimensions : 18 3/16"(w) x 10 27/32"(h) x 15 5/8"(d)

Weight: 55 lb

Supplied Accessories

Reel RH-7V Ac power cord

Head-and-ring cleaner set Splicing tape

Lubricating oil OL-1K Polishing cloth

Optional Accessory Dust cover CVO-5